



A101
2

1 Cover image
1:1

NOTES

- All dimensions in (mm) unless otherwise specified.
- All structural drawings to be read in conjunction with the relevant architectural drawings unless specified otherwise.
- All dimensions are to be verified and any discrepancies reported to the UNHCR Engineer/technical representative.
- Concrete to be class C20 with a minimum crushing strength of 14N/mm² at 7 days and 20N/mm² at 28 days.
- Minimum cover to reinforcement to be taken as 40mm.
- All excavations to be approved by the UNHCR Engineer/technical representative before concreting.
- All reinforcement works are to be approved by the UNHCR Engineer/technical representative before concreting.
- Compaction is to be done in layers not exceeding 150mm thick.
- Soil bearing pressure has to be taken as 150kN/mm².
- Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
- All slab at grade to be poured on 1000 gauge polythene 50mm stone dust blinding on compacted hardcore.
- All soils under slab and around external foundation to be treated for termite control.
- Window sills must be finished before internal plastering.
- Depth of foundation to be determined on site to UNHCR Engineer's approval.
- All walls to be reinforced with hoop iron at every alternate course.
- All conduits must be laid before plastering.

| Ceiling Schedule | |
|---------------------|--------------------|
| Type | Area |
| 600x600mm chipboard | 146 m ² |

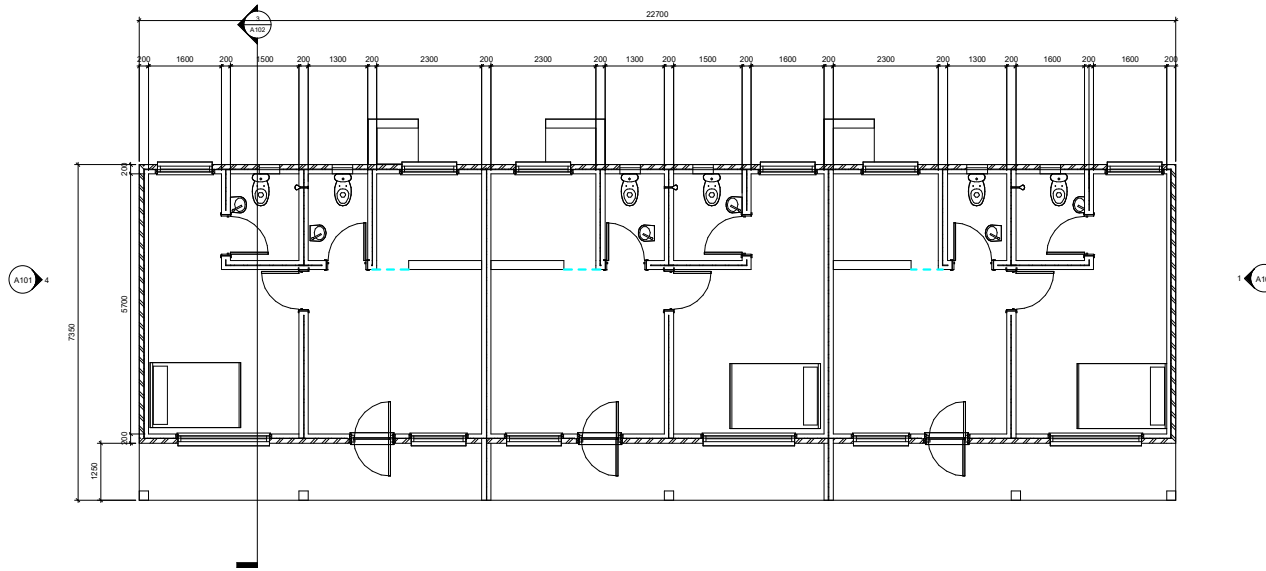
| Door Schedule | | | |
|---------------|-------|--------|-------|
| Type Mark | Width | Height | Count |
| D1 | 910 | 2110 | 3 |
| D2 | 900 | 2110 | 3 |
| D3 | 910 | 2110 | 3 |
| D4 | 910 | 2110 | 6 |

| Floor Schedule | |
|---------------------|--------------------|
| Type | Area |
| Floor accommodation | 170 m ² |

| Roof Schedule | |
|-----------------|--------------------|
| Type | Area |
| Versatile sheet | 232 m ² |

| Wall Schedule | |
|-----------------------------|--------------------|
| Type | Area |
| External wall 200mm thick | 199 m ² |
| Foundation wall 200mm thick | 165 m ² |
| Internal wall 200mm | 163 m ² |

| Window Schedule | | | | |
|-----------------|-------|--------|-------------|-------|
| Type Mark | Width | Height | Sill Height | Count |
| W1 | 2000 | 1200 | 910 | 3 |
| W2 | 1200 | 1200 | 910 | 9 |
| W3 | 450 | 600 | 1510 | 6 |



2 Ground
1:50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

NOTES:

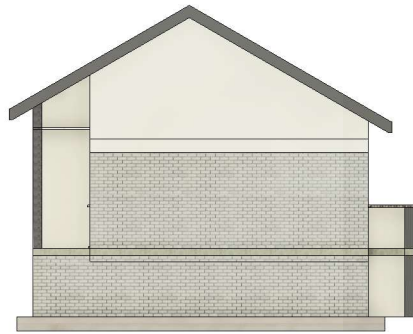
- All dimension are in mm unless otherwise specified
- Use only figured dimensions
- Depth of foundation to be determined on site
- Provide permanent vents for all doors and windows

A101

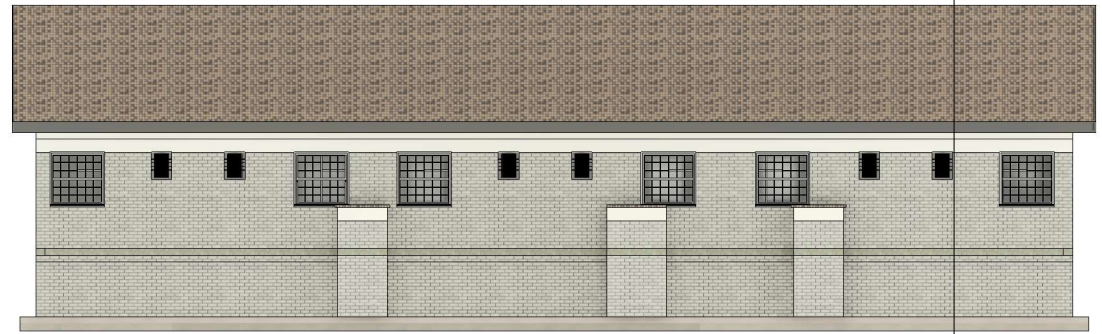
Project:

**PROPOSED STAFF ACCOMODATION UNIT
IN KAKUMA UNHCR SUB-OFFICE**

| REVISION: | | | Designed: | Drawn: | Title: |
|-----------|-------------|------|-----------|------------|---------------------------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA STAFF ACCOMODATION |
| | | | Checked: | Approved: | Project cover |
| | | | Nnamdi N | Nnamdi N | |
| | | | Scale: | Date: | REV No.: Drawing No.: |
| | | | As Shown | March 2022 | 00 A100 |
| Index | Description | Date | | | |



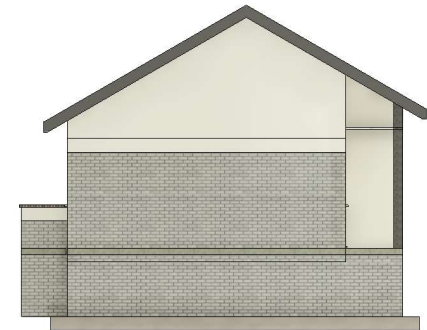
1 East
1 : 50



2 North
1 : 50



3 South
1 : 50



4 West
1 : 50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

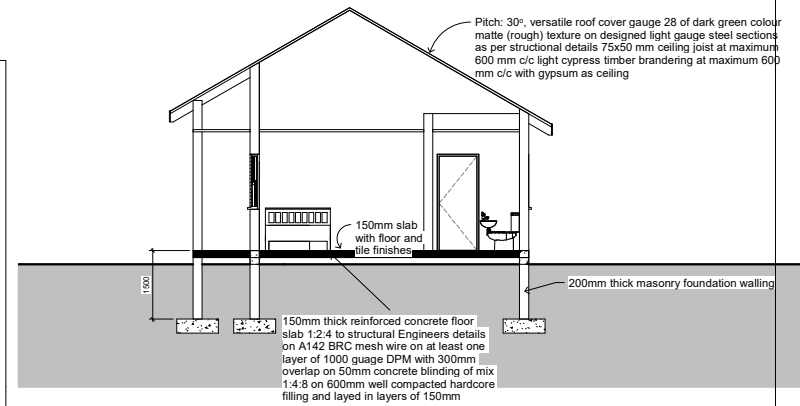
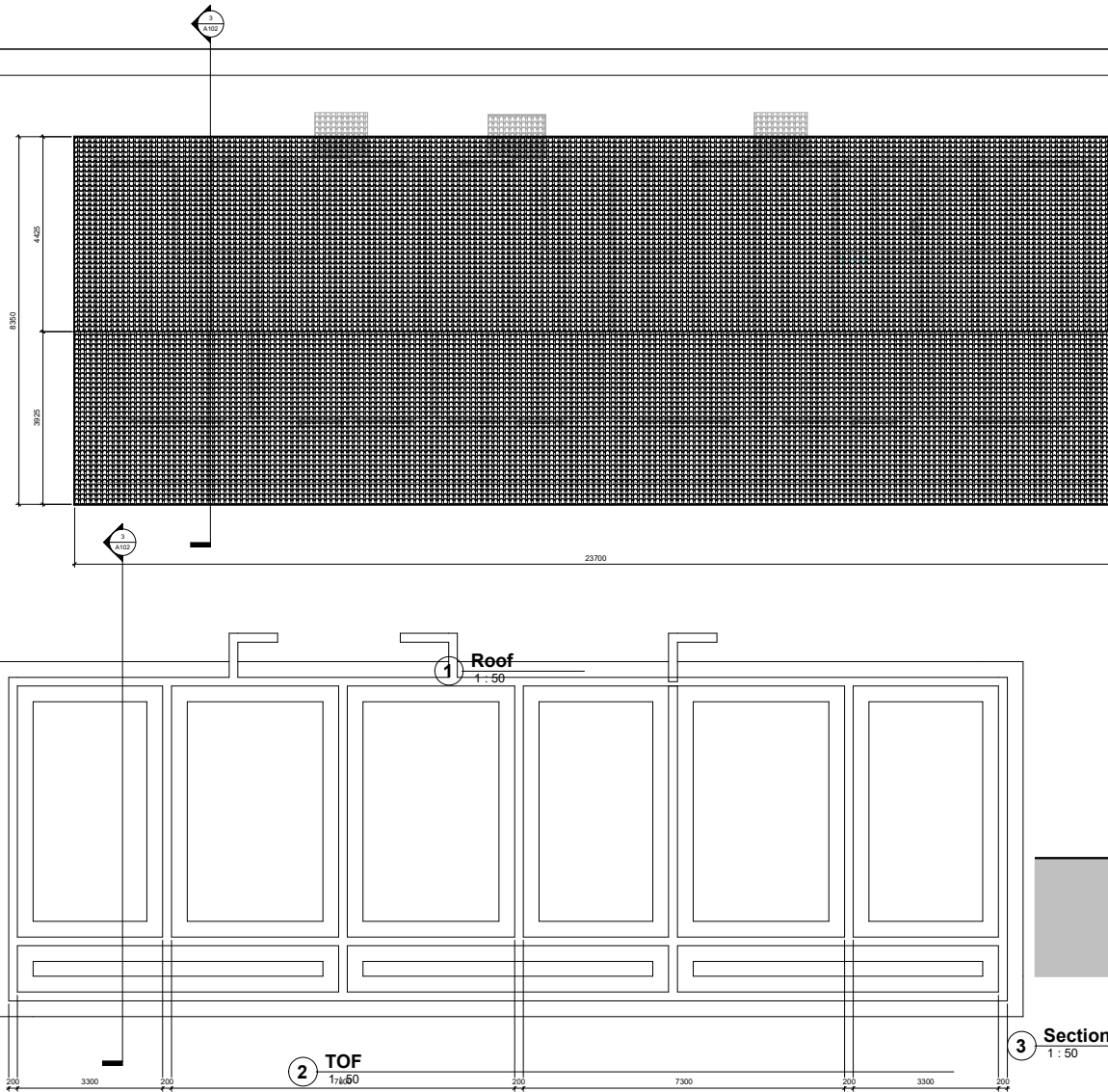
NOTES:

1. All dimension are in mm unless otherwise specified
2. Use only figured dimensions
3. Depth of foundation to be determined on site
4. Provide permanent vents for all doors and windows

Project:

PROPOSED STAFF ACCOMODATION UNIT
IN KAKUMA UNHCR SUB-OFFICE

| REVISION: | | | Designed: | Drawn: | Title: | |
|-----------|-------------|------|-----------|------------|---------------------------------|--------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA STAFF ACCOMODATION | |
| | | | Checked: | Approved: | Elevations | |
| | | | Nnamdi N | Nnamdi N | | |
| | | | Scale: | Date: | REV No.: | Drawing No.: |
| | | | As Shown | March 2022 | 00 | A101 |
| Index | Description | Date | | | | |



CLIENT: UNHCR
KAKUMA SUB-OFFICE

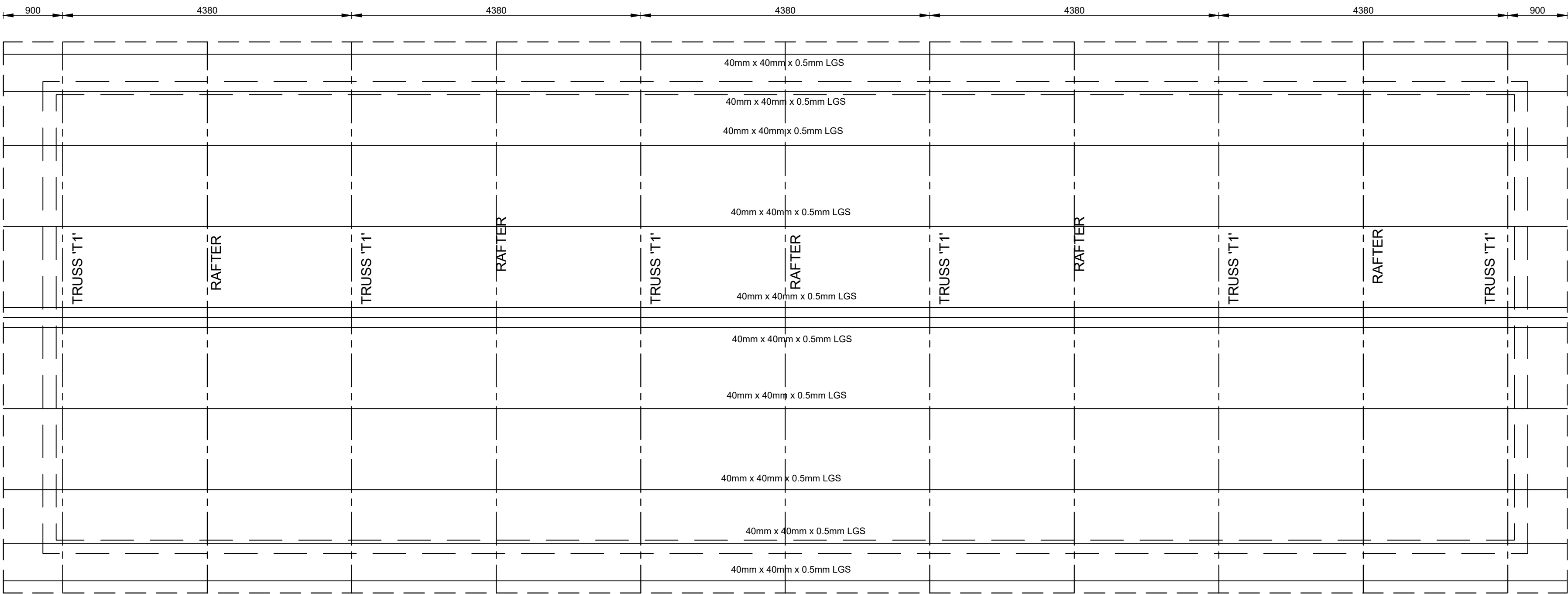
NOTES:

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4. Provide permanent vents for all doors and windows

Project:

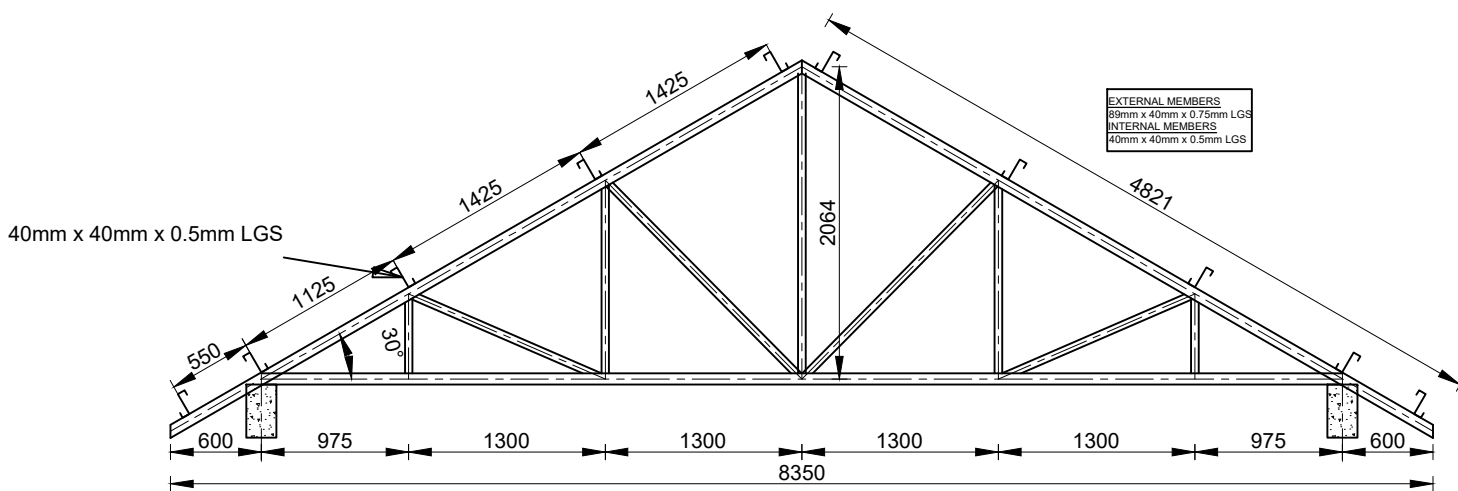
**PROPOSED STAFF ACCOMODATION UNIT
IN KAKUMA UNHCR SUB-OFFICE**

| REVISION: | | | Designed: | Drawn: | Title: | |
|-----------|-------------|------|-----------|------------|---------------------------------|--------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA STAFF ACCOMODATION | |
| | | | Checked: | Approved: | Roof structure | |
| | | | Nnamdi N | Nnamdi N | | |
| | | | Scale: | Date: | REV No.: | Drawing No.: |
| | | | As Shown | March 2022 | 00 | A102 |
| Index | Description | Date | | | | |



ROOF LAYOUT

SCALE 1:50
PURLINS TO BE 40mm x 40mm x 0.5mm LGS
@ MAX. 1425mm c/c SPACING



TRUSS T1 (6No.)

SCALE 1:50

CLIENT:
UNHCR
KAKUMA
SUB-OFFICE



REVISIONS

| MARK | DATE | DETAILS |
|------|------|---------|
| | | |
| | | |
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| | | |

0 31/03/2022 ISSUED FOR CONSTRUCTION

NOTES:

1. FOUNDATION TO BE DETERMINED ON SITE TO MURRAM AND TO ENGINEER'S APPROVAL.
2. CONCRETE GRADE 25.
3. MAXIMUM AGGREGATE SIZE 20.
4. ALL DIMENSIONS IN MILLIMETERS.
5. DWG TO BE READ IN CONJUNCTION WITH ARCH DWG.
6. SETTING OUT TO ARCHITECT DRAWINGS.
7. ALL COLUMNS CENTERED ON BASES UNLESS OTHERWISE SHOWN.
8. ALL STRUCTURAL STEEL TO BE GRADE 43C
9. WELDING 6mm FW CONTINUOUS
10. PAINT TWO COAT OF ZINC CHROMATE PRIMER TO ALL STEELWORK WHILE IN WORKSHOP
11. OPEN ENDS OF HOLLOW SECTIONS TO BE BLANKED OFF WITH 3mm THK PLATE

PROJECT TITLE

PROPOSED UNHCR SUB-OFFICE IN
KAKUMA

DRAWING TITLE

STAFF ACCOMODATION UNIT
ROOF LAYOUT & TRUSS DETAILS

DESIGNED BY

DO

DATE

APRIL 2022

DRAWN BY

DO

CHECKED BY

NN

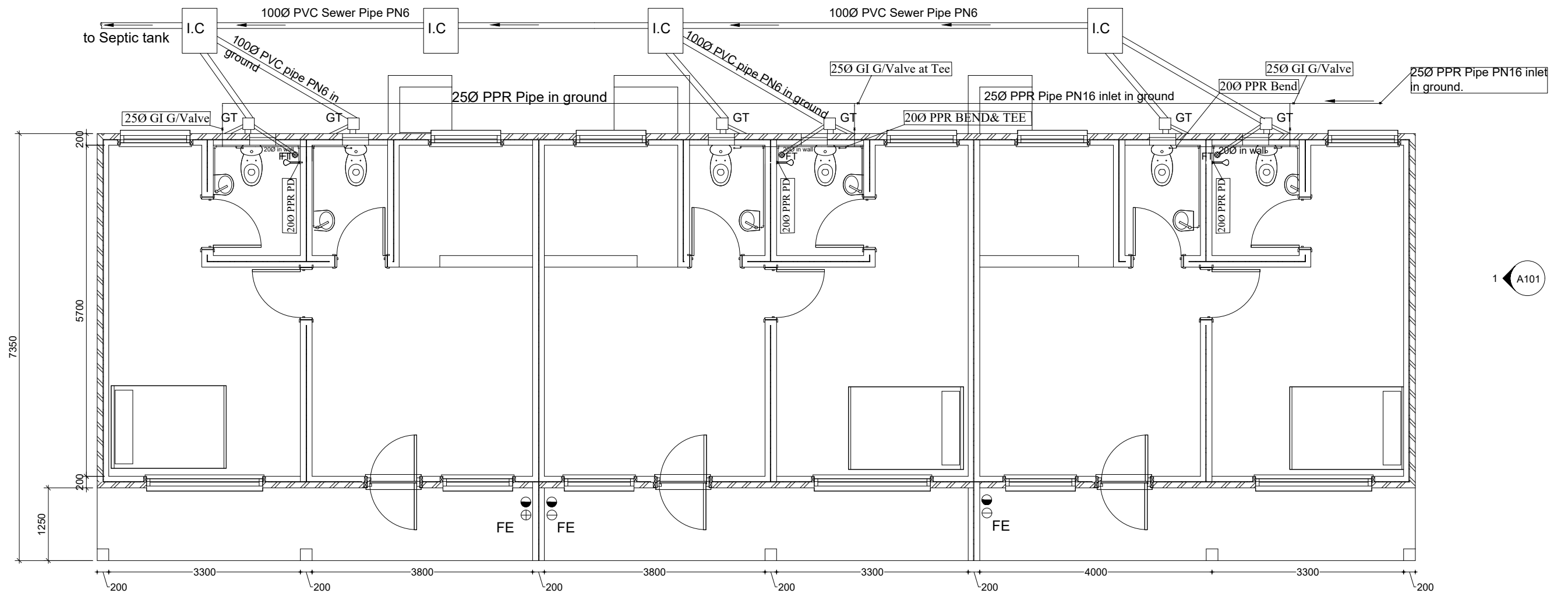
SCALE

A1 DWG 1:50/25
A3 DWG 1:100/50

REVISION

0

DRAWING NO.



STAFF ACCOMMODATION MECHANICAL LAYOUT DRAWING

NOTES:

| | | | |
|---------|---------------------|----|--|
| — | Sewer Line | GT | Gulley Trap |
| — | potable water Lines | FE | Fire Extinguisher |
| — | PPR pipe | IC | Inspection Chamber |
| G/Valve | Gate Valve | ⊕ | 6Kg Dry Powder Fire Extinguisher |
| PD | Pipe drop | ● | 9 Litre CO ₂ Fire Extinguisher |
| FT | Floor Trap | ⊥ | 20/25Ø PPR TEE |
| ⊗ | Gate Valve | GT | Sewer lines from toilet, sink & floor trap |
| ⌋ | 20Ø PPR ELBOW | | |

CLIENT:

UNHCR KAKUMA
SUB-OFFICE

REVISIONS

| MARK | DESCRIPTIONS | DATE |
|------|--------------|------|
| | | |
| | | |
| | | |
| | | |
| | | |

NOTES:

1. FOUNDATION TO BE DETERMINED ON SITE TO MURRAM AND TO ENGINEER'S APPROVAL.
2. CONCRETE GRADE 25.
3. ALL MECHANICAL DRAWINGS TO BE READ IN CONJUNCTION WITH TECHNICAL SPECS
4. ALL DIMENSIONS IN MILLIMETERS.
5. AL PIPELINE WORKS TO LAID PRIOR TO PLASTERING.
6. MECHANICAL SETTING OUT TO MECHANICAL LAYOUT DRAWINGS.

PROJECT TITLE:
PROPOSED GUEST ACCOMMODATION
UNHCR SUB-OFFICE IN KAKUMA

DRAWING TITLE
STAFF ACCOMMODATION UNIT
ROOF LAYOUT & TRUSS DETAILS

DESIGNED BY:

WO

DATE:

APRIL 2022

DRAWN BY:

WO

CHECKED BY:

NN

DWG SCALE:
1:50/100

REVISION

DRAWING NO.

UNHCR/ML/02/2022



1 Cover image
1 : 50

| Ceiling Schedule | |
|------------------|--------|
| Type | Area |
| 600x600mm gypsum | 169 m² |

| Door Schedule | | | |
|---------------|-------|--------|-------|
| Type Mark | Width | Height | Count |
| D1 | 910 | 2110 | 4 |
| D2 | 910 | 2110 | 2 |
| D3 | 910 | 2110 | 6 |

| Floor Schedule | |
|---------------------|--------|
| Type | Area |
| Floor accommodation | 183 m² |

| Railing Schedule | |
|------------------------------|--------|
| Type | Length |
| Railing veranda | 13572 |
| Railing veranda top of doors | 1832 |

| Roof Schedule | |
|----------------|--------|
| Type | Area |
| Versatile roof | 263 m² |

| Window Schedule | | | | |
|-----------------|-------|--------|-------------|-------|
| Type Mark | Width | Height | Sill Height | Count |
| W1 | 450 | 600 | 1510 | 6 |
| W2 | 2000 | 1200 | 910 | 6 |
| W3 | 1200 | 1200 | 910 | 2 |

| Wall Schedule | |
|-----------------------------|--------|
| Type | Area |
| External wall 200mm thick | 121 m² |
| Foundation wall 200mm thick | 144 m² |
| Internal wall 200mm | 171 m² |
| Veranda wall | 7 m² |

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CLIENT: UNHCR
KAKUMA SUB-OFFICE

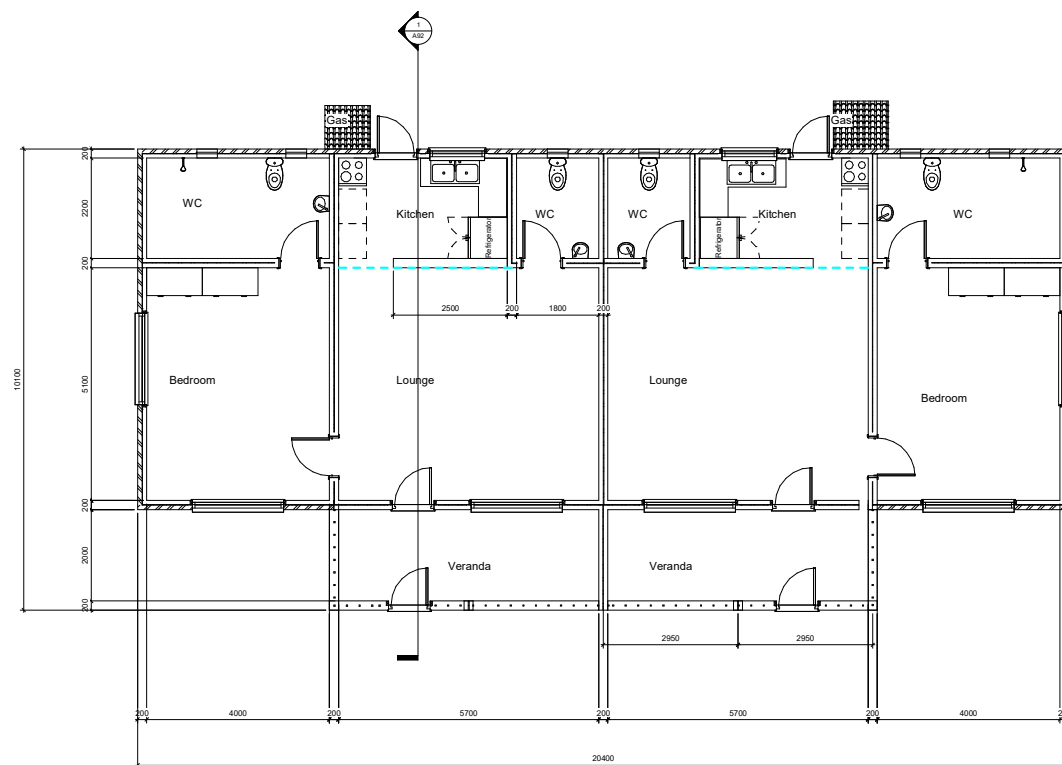
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- Provide permanent vents for all doors and windows

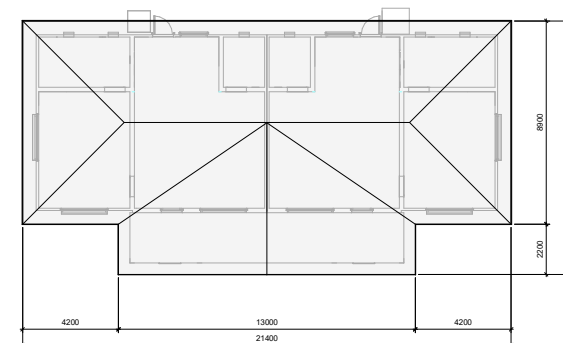
Project:

PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE

| REVISION: | | | Designed: | Drawn: | Title: | |
|-----------|-------------|------|-----------|------------|--------------------------|--------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA GUEST HOUSE | |
| | | | Checked: | Approved: | Cover | |
| | | | Nnamdi N | Nnamdi N | | |
| | | | Scale: | Date: | REV No.: | Drawing No.: |
| Index | Description | Date | As Shown | March 2022 | 00 | A90 |



1 Ground
1 : 50



2 Roof
1 : 100



CLIENT: UNHCR
KAKUMA SUB-OFFICE

NOTES:

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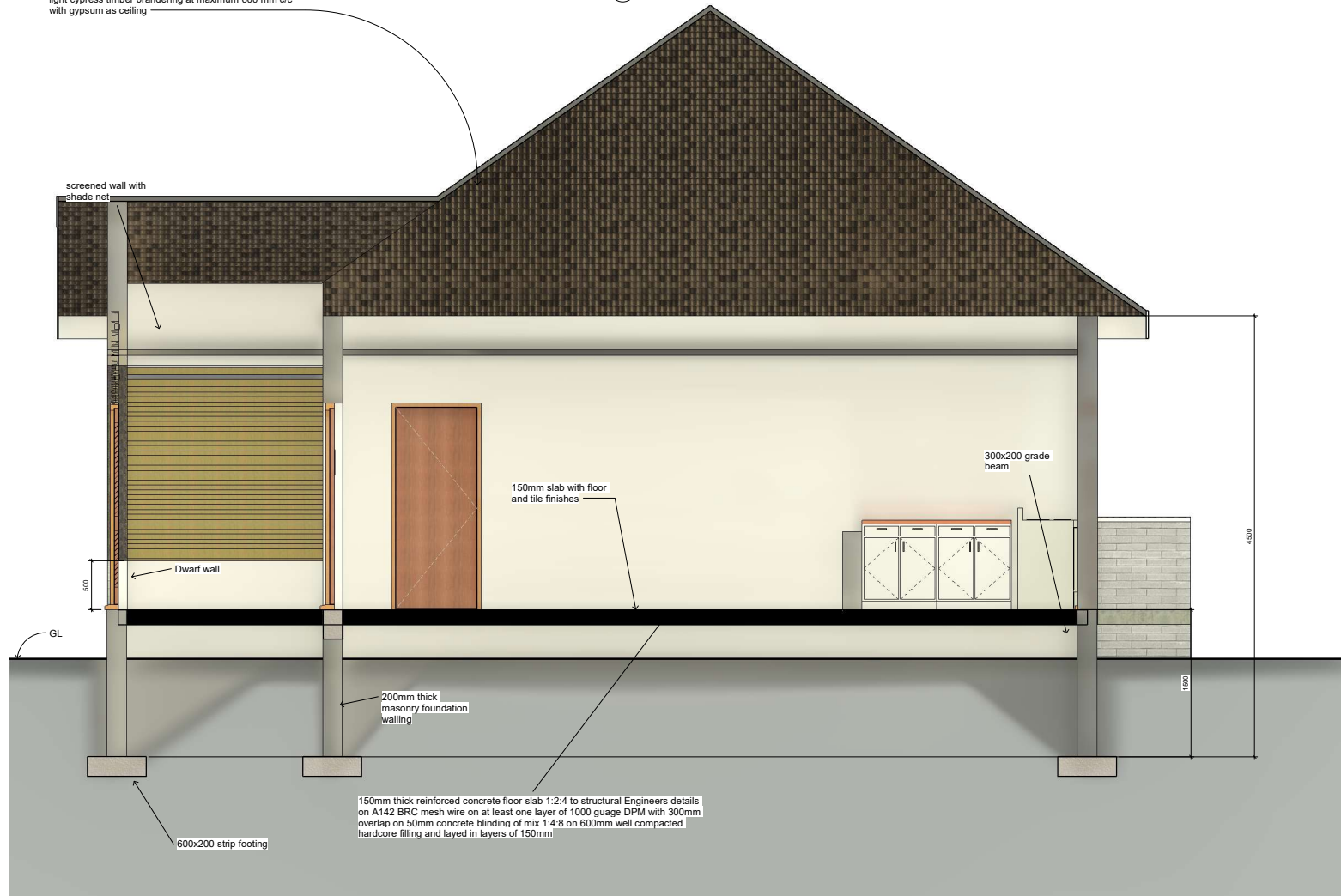
Project:

**PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE**

| REVISION: | | | Designed: | Drawn: | Title: | |
|-----------|-------------|------|-----------|------------|--------------------------|--------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA GUEST HOUSE | |
| | | | Checked: | Approved: | Floor plan | |
| | | | Nnamdi N | Nnamdi N | | |
| | | | Scale: | Date: | REV No.: | Drawing No.: |
| | | | As Shown | March 2022 | 00 | A91 |
| Index | Description | Date | | | | |

Pitch: 30 degrees, versatile roof cover gauge 28 of dark green colour matle (rough) texture on designed light gauge steel sections as per structural details 75x50 mm ceiling joist at maximum 600 mm c/c
light cypress timber branderling at maximum 600 mm c/c with gypsum as ceiling

1 Section 1
1 : 20



CLIENT: UNHCR
KAKUMA SUB-OFFICE

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4. Provide permanent vents for all doors and windows

Project:

PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE

| REVISION: | | | Designed: | Drawn: | Title: | |
|-----------|-------------|------|-----------|------------|--------------------------|--------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA GUEST HOUSE | |
| | | | Checked: | Approved: | Section | |
| | | | Nnamdi N | Nnamdi N | | |
| | | | Scale: | Date: | REV No.: | Drawing No.: |
| | | | As Shown | March 2022 | 00 | A92 |
| Index | Description | Date | | | | |



① **East**
1 : 50



② **North**
1 : 50



③ **South**
1 : 50



④ **West**
1 : 50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

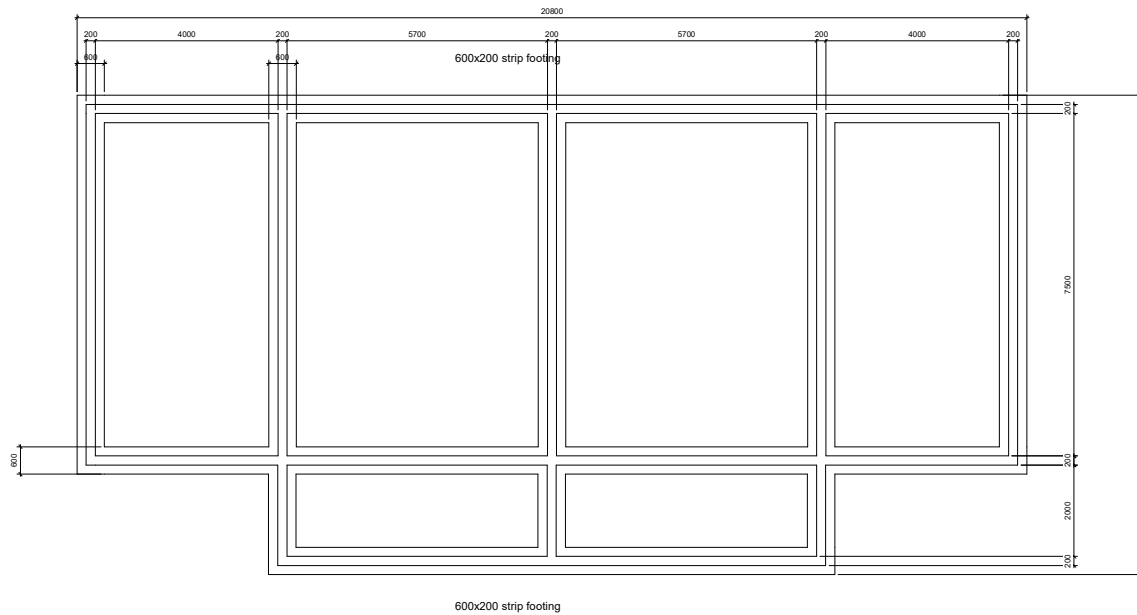
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Project:

**PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE**

| REVISION: | | | Designed: | Drawn: | Title: | |
|-----------|-------------|------|-----------|------------|--------------------------|--------------|
| | | | Opudo D | Opudo D | UNHCR KAKUMA GUEST HOUSE | |
| | | | Checked: | Approved: | Elevations | |
| | | | Nnamdi N | Nnamdi N | | |
| | | | Scale: | Date: | REV No.: | Drawing No.: |
| Index | Description | Date | As Shown | March 2022 | 00 | A93 |



1 Top of footing
1 : 50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

NOTES:
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4. Provide permanent vents for all doors and windows

Project:
PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE

| REVISION: | | | Designed: | Drawn: | Title: |
|-----------|-------------|------|-----------|------------|------------------------------|
| | | | Opudo D | Opudo D | XXXXXX |
| | | | Checked: | Approved: | Foundation Structural layout |
| | | | Nnamdi N | Nnamdi N | |
| | | | Scale: | Date: | REV No.: Drawing No.: |
| | | | As Shown | March 2022 | 00 S001 |
| Index | Description | Date | | | |

